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54 **Rotary coupling technique.**

57 To couple a driving shaft (32, 18) of a machine to a driven shaft (34, 22), a coupling assembly is mounted to said driving and driven shafts and includes a flexible coupling element (30). The flexible coupling element (30) includes a plurality of first fastener means (50A, 50C) adapted to be connected to the driving shaft (32, 18) and a plurality of second fastener means (50B, 50D) adapted to be connected to the driven shaft (34, 22). A plurality of fibers (56) connects different ones of said first fastener means to different ones of said second fastening means so that said first fastener means applies force to said second fastener means to transmit torque. The filaments or fibers are looped around said fastening means and the coupling element has a thickness in the range of 1 percent to 10 percent of its diameter.

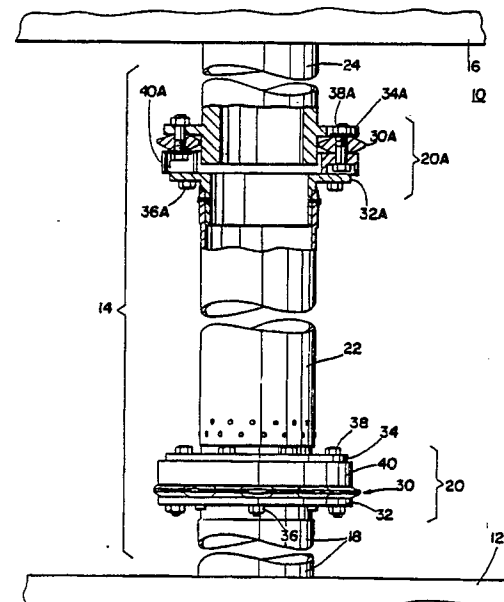


Fig. 1

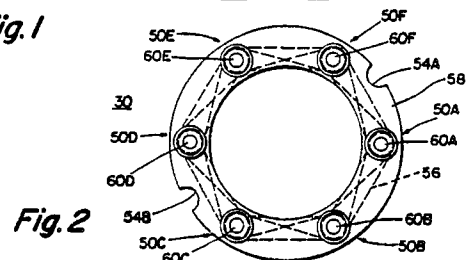


Fig. 2

EP 0 354 868 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	DE-A-1 425 330 (METZELER) * Pages 3,4; figures 1,2 *	1,2	F 16 D 3/78
Y		5-10	
A		3,4	

X	US-A-4 187 699 (WEIBLE) * Column 3, lines 20-63; figures 2,4,8,9 *	1,2	
Y		5-10	
A		3,4	

X	DE-B-1 021 212 (KRAUSS-MAFFEI) * Column 2, paragraph 2; column 3, lines 1-33; figure 1 *	1,2	
A		3-10	

X	GB-A- 321 999 (GRAY) * Page 5, lines 10-60; figures 1-3 *	1,2	
A		3-10	

			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 16 D F 16 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-07-1990	Examiner ORTHLIEB CH.E.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			